Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Please amend claims 1, 3-4, 7, 10, 15 and 17-19, without prejudice.
Please cancel claims 2 and 20-21, without prejudice.

1. (Currently Amended)   A method of providing service for use in a Voice Over Internet Protocol (VOIP) network environment comprising:

programmatically initiating VOIP test calls from a test probe (TP) having one or more addresses, the TP being associated with one or more service levels, each service level based on a type of internet protocol (IP) signaling protocol and a type of voice codec;

selecting a service level of the plurality of service levels prior to initiating the VOIP test calls; and

measuring voice call listening quality according to the selected service level for voice calls transmitted across a VOIP network to produce voice call listening quality metric values.

2. (Currently Amended) The method of claim 1, wherein ~~the selected service level is associated with a type of voice codec~~ each of the one or more addresses is associated with a different service level.

3. (Currently Amended) The method of claim [[2]] 1, wherein the type of voice codec comprises a waveform codec.

4. (Currently Amended) The method of claim 1, wherein said measuring comprises measuring the voice call listening quality using a perceptual test model.

5. (Original)   The method of claim 4, wherein the perceptual test model comprises Perceptual Analysis Measurement System (PAMS)

6. (Original)   The method of claim 4, wherein the perceptual test model comprises Perceptual Speech Quality Measurement (PSQM).

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7. (Currently Amended) The method of claim [[2]] 1, wherein the type of voice codec comprises a hybrid codec.

8. (Original)   The method of claim 1, wherein the voice call listening quality metric value corresponds to a Mean Opinion Score (MOS) value.

9. (Original)   The method of claim 1, further comprising:

using the measured voice call listening quality metric values to determine whether a service level agreement guarantee provided to a user of the VOIP network is met.

10. (Currently Amended)   The method of claim 1, wherein measuring comprises:

controlling test probes deployed along [[the]] a border of the VOIP network to engage each other in test calls and to make voice call listening quality measurements based on the test calls.

11. (Original)   The method of claim 10, wherein the test probes are connected to VOIP communication devices that are connected to the VOIP network.

12. (Original)   The method of claim 11, wherein the VOIP communication devices comprise gateways.

13. (Original)   The method of claim 1, wherein measuring comprises:

controlling test probes deployed at edges of the VOIP network to engage each other in test calls and to make voice call listening quality measurements based on the test calls.

14. (Original)   The method of claim 1, wherein measuring comprises:

controlling at least one test probe deployed at and connected to a telephony network that is coupled to the VOIP network by a gateway to generate test voice calls and to make voice call listening quality measurements based on the generated test voice calls.

15. (Currently Amended) The method of claim [[2]] 1, wherein the selected service level is further associated with a VOIP signaling protocol.

16. (Original)   The method of claim 15, wherein the VOIP signaling protocol comprises H.323.

17. (Currently Amended) The method of claim 15, wherein the VOIP signaling protocol comprises Session Initiation Protocol (SIP).

18. (Currently Amended) The method of claim 15, wherein the VOIP signaling protocol comprises Media Gateway Control Protocol (MGCP).

19. (Currently Amended) A computer program product residing on a computer readable medium for providing service for use in a Voice Over Internet Protocol (VOIP) network environment, comprising instructions for causing a computer to:

associate a different service [[levels]] level of a plurality of service levels with each phone number of a plurality of phone numbers of a test probe, each service level corresponding to at least one combination of a type of internet protocol (IP) signaling protocol and a type of voice codec; and

responsive to a test voice call directed to one of the plurality of phone numbers, cause the test voice call to be transferred over the VOIP network to a destination corresponding to such phone number of the test probe at the associated service level and causing a voice call listening quality to be measured at the test probe for the associated service level to produce a voice call listening quality metric value.

20-21. (Canceled)